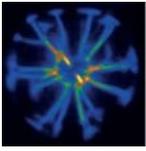


42nd IOP Plasma Physics Conference

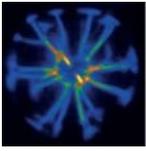
30 March 2015 – 2 April 2015
Kents Hill Park Training and Conference Centre,
Milton Keynes, UK

<http://plasma15.iopconfs.org>



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42nd IOP Plasma Physics Conference

Enquiries

General organisation

Jon Roe
Institute of Physics
76 Portland Place
London
W1B 1NT, UK
Tel: +44 (0)20 7470 4908
E-mail: jon.roe@iop.org

Registration enquiries

Conferences (Institute of Physics)
Tel: +44 (0)20 7470 4800
E-mail: conferences@iop.org

Organising committee:

Nick Braithwaite (Chair), Open University
Georgina Vizard, Open University
Mark Bowden, Liverpool University
Ceri Brenner, University of Strathclyde
Philippa Browning, University of Manchester
Adrian Cross, University of Strathclyde
Christopher Ham, CCFE
Stuart Mangles, Imperial College London
Alex Robinson, STFC
Roddy Vann, University of York
Alan Webb, Open University
Simon Vickers, AWE
John Simmons, University of Glasgow

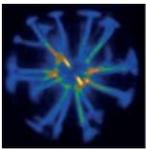
The 42nd IOP Plasma Conference is organised by:

IOP | Institute of Physics
Plasma Physics Group

[IOP Plasma Physics Group](#)

Disclaimer

The Institute of Physics, Kent's Hill Training Park and their approved representatives cannot take responsibility for any accident, loss or damage to participants or their property during the conference.



42nd IOP Plasma Physics Conference

Location

The conference will be held at Kent's Hill Training Park and Conference Centre in Milton Keynes

Venue

Kent's Hill Training Park and Conference Centre

Timbold Drive
Milton Keynes
MK7 6BZ
Tel: +44 (0)1908 358040

For information about the venue, please visit <http://www.kentshillpark.com/>

The site is divided into 6 buildings. The conference will be held in Nightingale House, Rooms 121/121a/123 and 129/130 on the first floor. Main reception is located in Swallow House. Please see the map at the back of this document for an overview of the conference centre

Registration

On Monday 30 March the registration desk will be located in Swallow House on the first floor (follow the stairs immediately past the main reception desk). For the remaining 3 days, registration will be located on the first floor next to the conference and exhibition rooms in room number 124 (Nightingale House). The registration desk will be open at the following times:

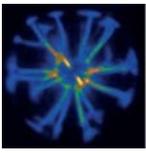
Date	Times
Monday 30 March 2015	10:00 – 17:00
Tuesday 31 March 2015	09:00 – 17:00
Wednesday 1 April 2015	09:00 – 17:00
Thursday 2 April 2015	09:00 – 14:00

On arrival, each participant will receive a delegate pack containing a lanyard badge, programme, delegate list, folder, note pad and pen. Please wear your badge at all times because this will help with security and enable you to identify your fellow delegates. Replacement badges can be issued at the registration desk.

The **conference abstract book** will be made available to delegates as a PDF file in advance of the conference. The abstract book will only be available in a digital format. Please print a personal copy if you would like to refer to a hardcopy at the conference.

Messages

A message board will be placed near the registration desk. Participants should check the board for messages as an attempt to locate participants will only be made in the case of an emergency. During registration times, messages can be left by emailing jon.roe@iop.org Messages can also be left by telephoning 07737 117388.



Catering

Lunches, and refreshments during the conference are included in the registration fee and served at set times during the conference programme. Please refer to the overview below for times and locations. Residential delegates have dinner included in their accommodation package for Monday and Tuesday.

Monday 30 March 2015	Time	Location
Welcome refreshments	11:00 – 12:30	Swallow House, Lounge area
Lunch	12:30 – 13:30	Swallow House, Restaurant
Afternoon break	15:20 – 15:40	Nightingale House, Room 129/130
Dinner	18:30 – 21:00	Swallow House, Restaurant
Tuesday 31 March 2015		
Welcome refreshments	08:30 – 09:00	Nightingale House, Room 129/130
Mid-morning break	10:20 – 10:40	Nightingale House, Room 129/130
Lunch	12:20 – 13:20	Swallow House, Restaurant
Afternoon refreshments	15:50 – 16:10	Berrill Lecture Theatre, Open University
Dinner	18:30 – 21:00	Swallow House, Restaurant
Wednesday 1 April 2015		
Welcome refreshments	08:30 – 09:00	Nightingale House, Room 129/130
Mid-morning break	10:20 – 10:40	Nightingale House, Room 129/130
Lunch	12:40 – 13:40	Swallow House, Restaurant
Afternoon break	15:20 – 15:40	Nightingale House, Room 129/130
Conference Dinner	19:30 – 22:00	Wilton Hall
Thursday 2 April		
Welcome refreshments	08:30 – 09:00	Nightingale House, Room 129/130
Mid-morning break	10:20 – 10:40	Nightingale House, Room 129/130
Lunch	12:40 – 13:40	Swallow House, Restaurant

Swallow House is home to the venue's dining facilities, which include a lounge, bar area and cyber café. The bar will be open every evening from 17:00 – 01:00.

Dietary requirements

Participants with special dietary requirements are asked to notify the conference office by e-mail prior to their arrival if they have not already done so when registering. Those with special dietary requirements are asked to make themselves known to the catering team. It will not be possible to provide an alternative menu unless prior notification has been received.

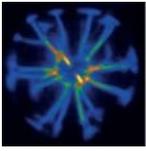
Nut allergies – unfortunately the venue cannot provide assurances that food has not been cross-contaminated with traces of nuts during ingredient processing at manufacture's sites, and during food preparation and on-site. For this reason, we are unable to provide guarantees that any of the food served is free from nuts or trace elements. Please e-mail jon.roe@iop.org if you have any queries.

Accommodation

Accommodation is available at Kent's Hill Park Training & Conference Centre on a bed and breakfast basis for those that have booked online during registration. Accommodation is **not** included within the registration fee.

Each room offers the following:

- En suite bathroom with bath and shower
- Hospitality tray



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- Television, hairdryer and telephone
- Lockable draw
- Dry cleaning and laundry facilities
- Self-service laundry facility and ironing room
- Complimentary Wi-Fi

Check in is available from 14:00 at Swallow House. Rooms should be vacated on departure by 09:00.

Breakfast

Breakfast will be served daily between 07:00 – 09:00 in the restaurant at Swallow House.

Presenter's information

Oral presentations

The lecture theatre (121/121a/123) is equipped with the following audio-visual equipment:

- Laptop with PowerPoint facilities (Office XP and Windows XP)
- Data projector and projector screen
- Microphone – Radio (Lapel)

Speakers wishing to use additional audio-visual equipment or intending to present from a Macintosh computer are asked to contact Jon Roe (jon.roe@iop.org) before the conference.

Speakers are requested to bring their presentations on a USB memory stick in either Office 2007 or .pdf format and preload them onto the laptop located in the lecture theatre. Speakers should save their presentation into the appropriate pre-named session folders pre-set on the desktop and files should be saved by speakers surname and initial.

To optimise compatibility, particularly for the inclusion of multimedia components, PowerPoint presentations should have been saved using PowerPoint's "Package for CD" facility. Direct connection of personal laptops (with set up in the break prior to the corresponding session) is an acceptable but not preferred alternative.

The lecture theatre is reasonably large, and speakers should use a minimum 15-point font size in PowerPoint slides to ensure legibility.

Presenters are asked to prepare their talks to match the allocated times which will be rigidly enforced.

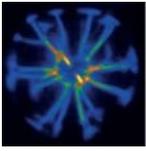
- Invited talks (40 minutes)
- Contributed talks (20 minutes)

Poster information

If you are presenting a poster please ensure that you display your poster on the board number that matches your poster number in the programme.

For those presenting in poster session 1:

- You can mount your poster during registration from 11:00 on Monday 30 March 2015. The poster session will take place on Monday from 16:20 – 19:00. All posters must be removed by 12:30 on Tuesday 31 March.



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- For those presenting in poster session 2:
- You can mount your poster during lunch on Tuesday 31 March. The poster session will take place on Wednesday from 14:40 – 16:40. All posters must be removed by 16:40 on Wednesday 1 April.

Although organisers will endeavour to save poster material, no guarantee can be made for posters not removed by the scheduled times. Posters must not be larger than **A0** in size and should be a **portrait** format. The poster board measures 6ft (1830mm) tall by 3ft (940mm) wide, and therefore if your poster does not fit within these dimensions, we cannot guarantee it will be displayed. Fixing material will be provided to mount your poster.

Programme

Please refer to the website at <http://plasma15.iopconfs.org/Programme> for the latest programme.

Exhibition

The following exhibitor will be showcasing their material from Monday 30 March to Wednesday 1 April 2015. The exhibitor will be located alongside refreshments and posters in room 129/130.

Exhibitor:



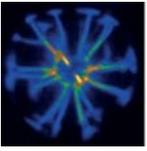
Hiden Analytical

For more than 30 years Hiden Analytical has been a global leader in the design and manufacture of scientific instruments for research, development and production applications. In vacuum, gas, surface and plasma processes our quadrupole mass spectrometers have gained worldwide recognition for their precision and outstanding performance.

Outreach event

There will be a general public outreach event during the meeting that celebrates plasmas and the International Year of Light. This will be held at the Open University. You can find out further information by visiting their website: <http://www.light2015.org/Home/About/Country/UK.html>. The full address is copied below.

Open University
Walton Hall
Milton Keynes
Buckinghamshire
MK7 6AA
Tel: +44 (0) 300 303 5303

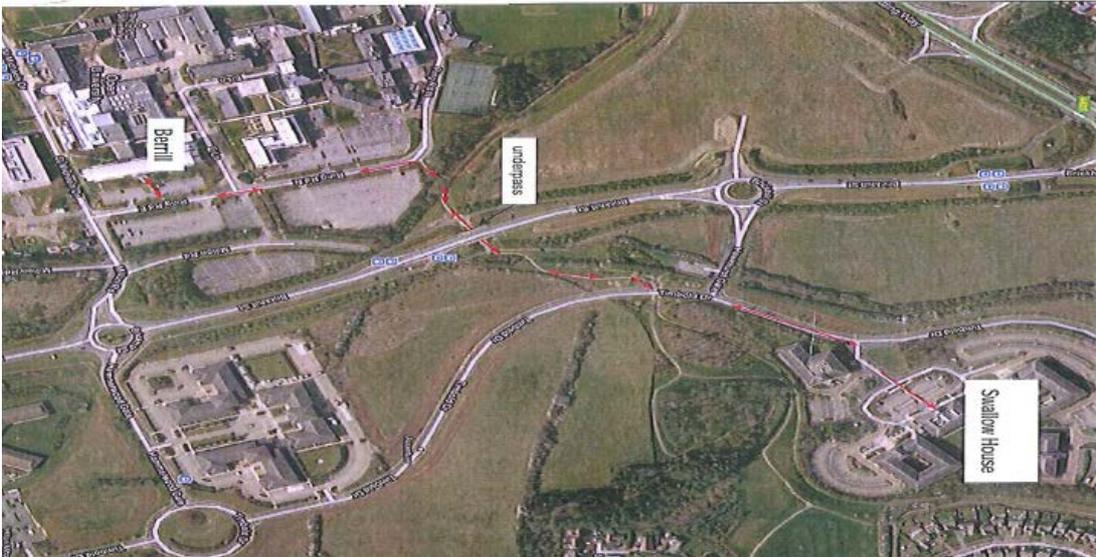


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Travelling to Open University

How to get there:

1. From Swallow House (where the conference is taking place) head towards the exit and take a left on to Timbold Drive
2. Follow the road and go past Hawkhurst Gate, taking the next right to a pathway heading south towards the underpass. This will lead you to the university.



For residential delegates attending the public lecture, dinner will **not** be available at the conference centre. Instead participants can pre order a packed dinner to take to the Open University. Anyone wishing to do so are asked to contact Jon Roe (jon.roe@iop.org) prior to the conference.

Social Programme

On Monday 30 March an evening reception will take place alongside the poster session in rooms 129/130 from 17:00 – 19:00. On Tuesday 31 March, the reception will be held slightly later, to accommodate the public lecture and will be held from 20:00 – 22:00. A selection of draft beers and wines will be served at both receptions.

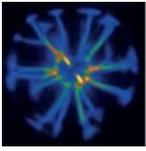
The conference dinner will take place at Wilton Hall on Wednesday 1 April 2015. Prior to the dinner we will be visiting the National Museum of Computing at Bletchley Park, where we will be given a tour and a chance to look at the development of computers dating back as far as the 1940's. For more information on both venues, please visit their websites <http://www.tnmoc.org/> and <http://www.wiltonhall.co.uk/>

The conference dinner is included in the registration fee and return coach transfers will be provided. The coach will depart from Swallow House at 17:00 and return from Wilton Hall at 22:00. Additional dinner and tour tickets for accompanying persons are available at a cost of £60+VAT.

IOP Conferences App

An **IOP Conferences App** is now available to download via the [Apple App Store](#) or [Google Play](#)

The app will contain all the information you need to make the most of your time at the conference. A personalised agenda and abstract search function is included in the app, along with the full conference programme, exhibitor



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profiles, speaker biographies and venue plans.

The app will be updated in the lead up to and during the conference, so please check the app regularly for the latest information.

To download the app just type IOP Conferences into the Apple App Store or Google Play.

Travel

Kent's Hill Park is located on the outskirts of Milton Keynes. A location map for Kent's Hill Training Park can be found online at <http://www.kenthillpark.com/ContactUs/Howtofindus.aspx>

By Air - from London airports

Nearest airport: [Luton Airport](#)

The closest airport to Kent's Hill Park is London Luton which is 25 miles/35 minutes away. To travel from any other London airports, trains or buses will take you into central London where you will be able to get connecting services to Milton Keynes.

By Car

You can plan your route online using one of the free route planners - examples are [The AA](#) or [The RAC](#).

- **From the South:** Exit the M1 at Junction 13 and follow the A421 towards Milton Keynes. Continue for two miles until you reach the Kingston roundabout. Take the third exit onto Standing Way (H8) and continue straight over the next roundabout (Brinklow). At the next roundabout (Kents Hill) turn left onto Brickhill Street (V10). Take first turning on the left at mini roundabout. Turn left again at the T junction and then take the next right to the Training & Conference Centre. Swallow Reception is the building with the clock tower.
- **From the North:** Exit the M1 at junction 14 and turn right towards Milton Keynes. At the first roundabout (Northfield) go straight over and at the second roundabout (FoxMilne) turn left (first exit) onto Tongwell Street (V11). Follow this road and at second roundabout (Brinklow) turn right (third exit) onto Standing Way (H8). Continue to next roundabout (Kents Hill) and turn left (first exit) onto Brickhill Street (V10). Take first turning on the left at mini roundabout and turn left at the T junction. Take the first right and Swallow Reception is in the building with the clock tower.
- **From the West:** From Buckingham, take the A421 towards Milton Keynes. This road becomes Standing Way (H8). Continue along Standing Way until the roundabout at Brickhill Street (V10), Kents Hill. Turn right (third exit) onto Brickhill Street. Take first turning on the left at mini roundabout and turn left at the T junction. Take the first right and Swallow Reception is the building with the clock tower.

Parking at the Kent's Hill Training and Conference Centre, Milton Keynes

Kent's Hill has 800 complimentary parking spaces on site.

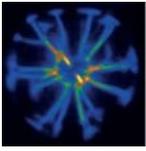
By Train

Kent's Hill Park Training and Conference Centre is about four miles from Central Milton Keynes railway station. MK Central is a high speed train stop; trains are frequent and journey times from London Euston station vary between 35 and 60 minutes. MK Central also has rail links to other major cities including Manchester, Liverpool, Birmingham and Glasgow. For more information contact [National Rail Enquiries](#) (tel: +44 (0)8457 484950).

Taxis are always outside the MK Central Station and the journey will take just 10 minutes to Kent's Hill Park Training and Conference Centre.

By Bus

11, 11A, 12, 12A will all take you to Kent's Hill Training Centre from Milton Keynes Central Rail Station.



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By Coach

There is a National Express stop at Milton Keynes Central Train station. For more information about journey times and fares contact [National Express](http://www.nationalexpress.com) (+44 (0) 8717 818178)

Local Taxis

Skyline Taxis: +44 (0)1908 222 111

MK City Cabs: +44 (0)1908 900 900

Starline Taxis: +44 (0)1908 770 770

Visas

Citizens of the European Union do not need a visa to enter Britain. If you are from any other country, find out about visa requirements before you travel by visiting <http://www.ukba.homeoffice.gov.uk/visas-immigration>.

Health & Safety

First Aid

A First Aider is available on site. If an accident requires a First Aider please contact the main reception in person, or by phone on: +44 (0) 1908 358000

In the event of an emergency: Ambulance, Fire Brigade or Police please telephone: 999

Fire and Evacuation Procedures

If the fire alarm is activated delegates must proceed as instructed by venue staff. Please do not stop to collect belongings or re-enter the building unless told to do so by the conference venue personnel. In case of a fire each building / meeting room differs on the evacuation point, however on the back of each door it has the fire safety procedures and your specific meeting point.

Behaviour and conduct

The Institute of Physics reserves the right to charge in full for loss or damage to buildings and property. Please note, delegates are to not consume any food or drinks while on the premises which were not supplied by the conference venue.

General Information

Venue Facilities

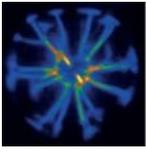
Kent's Hill Park benefits from a Sports and Leisure complex offering a full range of facilities including:

- 16m x 8m swimming pool
- Spa pool
- Steam room and sauna
- Fully equipped gym
- Squash courts
- Sports Hall

Health and beauty therapy is also available and offers a combination of relaxing and therapeutic treatments ranging from facials to hot stone massages.

Cloakroom

Coat hangers are included in each of the conference rooms, normally by the doors.



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Local Facilities/Information

There is a cash point on site located on the first floor and away from the centre, the nearest cash point is in a Londis store on Tenterten Crescent, only a 5 minute walk away.

Electricity

British electrical standards are 50Hz 230 volts, so some North American and European electrical devices may require converters; all will require plug adapters. Please bring your own adaptor.

Internet Access

Complimentary Wi-Fi internet access is available for all conference delegates. The password will be sign posted in the rooms.

Local Taxi Numbers

Skyline Taxis: +44 (0)1908 222 111

MK City Cabs: +44 (0)1908 900 900

Starline Taxis: +44 (0)1908 770 770

Smoking Policy

In accordance with government legislation smoking is not permitted in any building, temporary enclosed structure or substantially enclosed space outside buildings. If you decide to go outside the front of the building to smoke, please use the bin provided.

Complaints

We hope that your time at the conference is enjoyable. However, should you encounter any problems whilst at the conference, please report them to the conference registration desk as soon as possible. The conference team will make every effort to rectify the issue as soon as possible.

IOP membership

Non-member registrants attending this conference will automatically become affiliate members of the Institute of Physics for 12 months and will receive copies of Physics World. As an affiliate member you will be entitled to attend IOP conferences at the members' rate for the period of your membership and to use MyIOP – the member-only network.

Full details will be sent to you after the conference. In order to take advantage of this affiliate membership, payment for the conference registration fee must be received in accordance with our payment terms.

Membership of the Institute of Physics is open to all those with an interest in Physics. For further information, please visit <http://members.iop.org> or email membership@iop.org.

Sponsors

The organisers would like to thank the following sponsors of the 42nd IOP Plasma Conference:

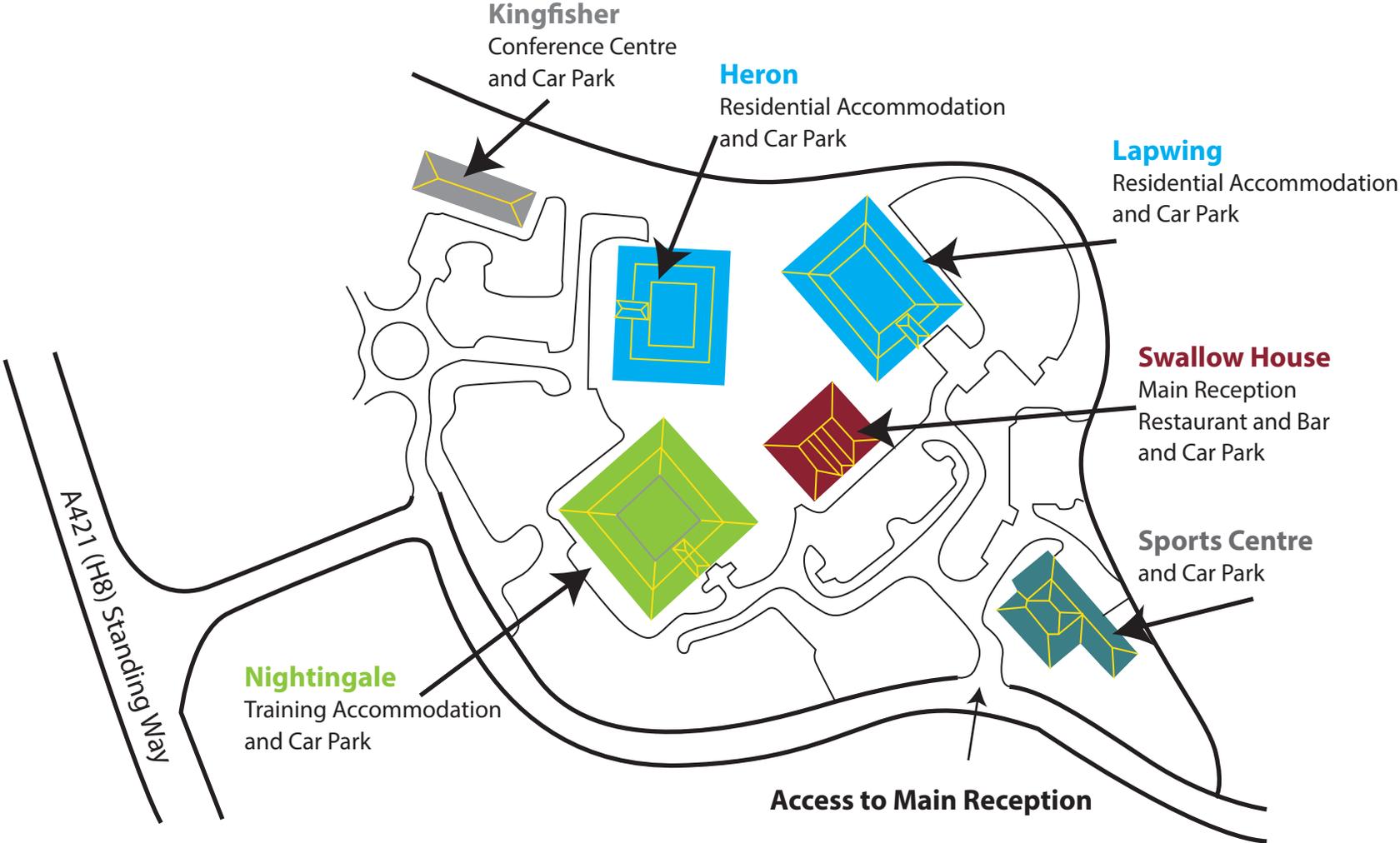


Science & Technology
Facilities Council

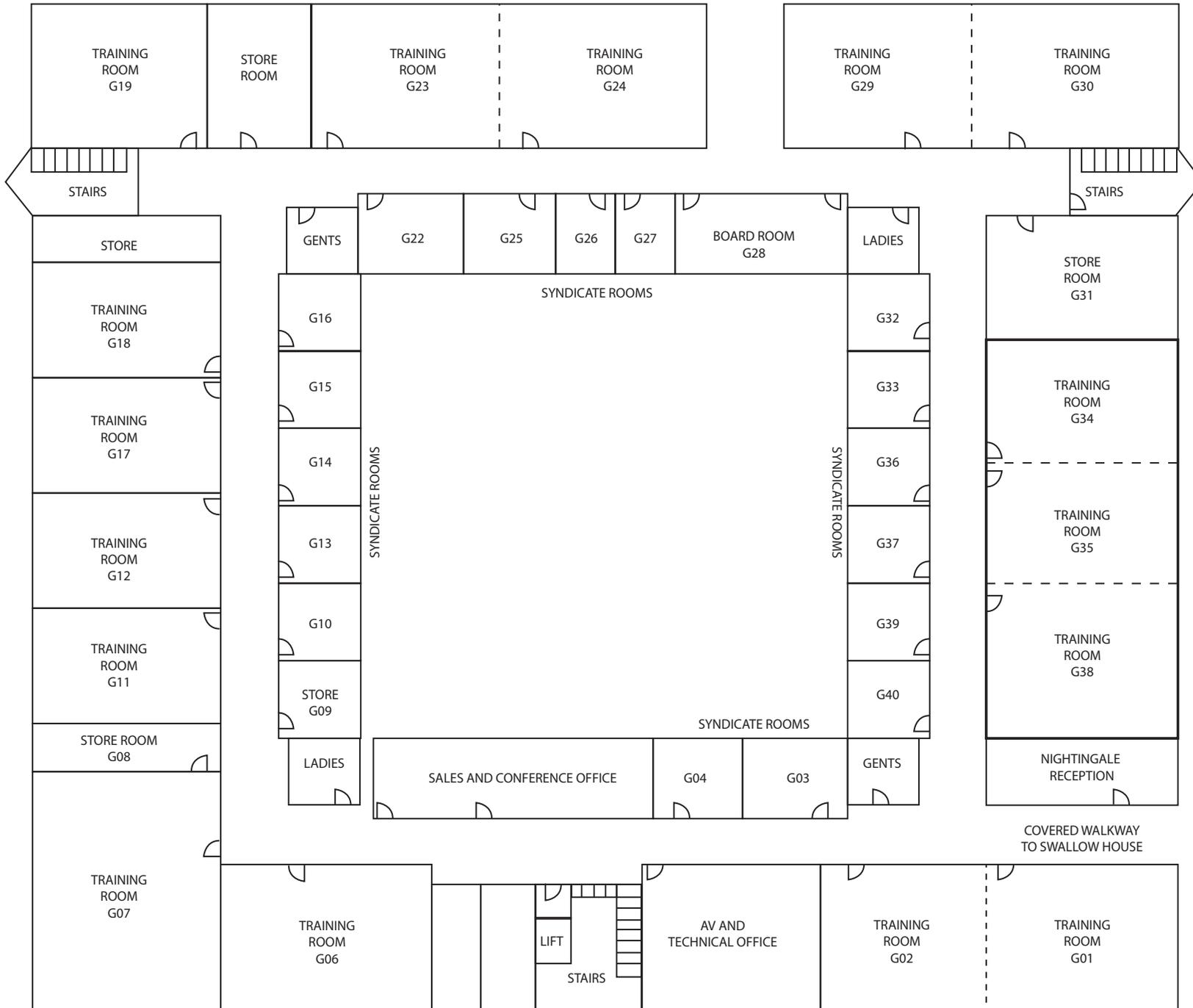
IOP | Institute of Physics
Plasma Physics Group

IOP | Institute of Physics
Computational Physics Group

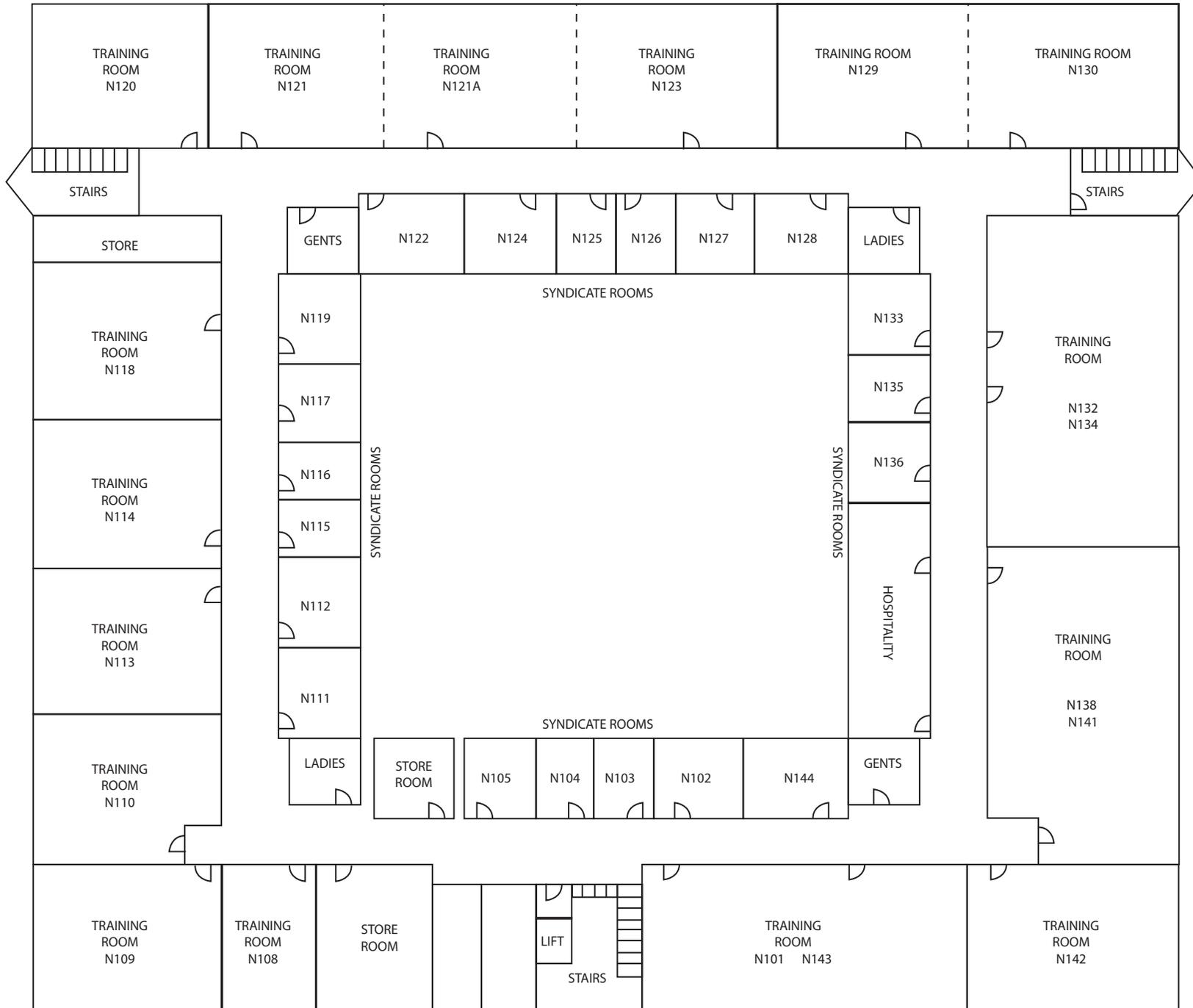
Kents Hill Park Training & Conference Centre



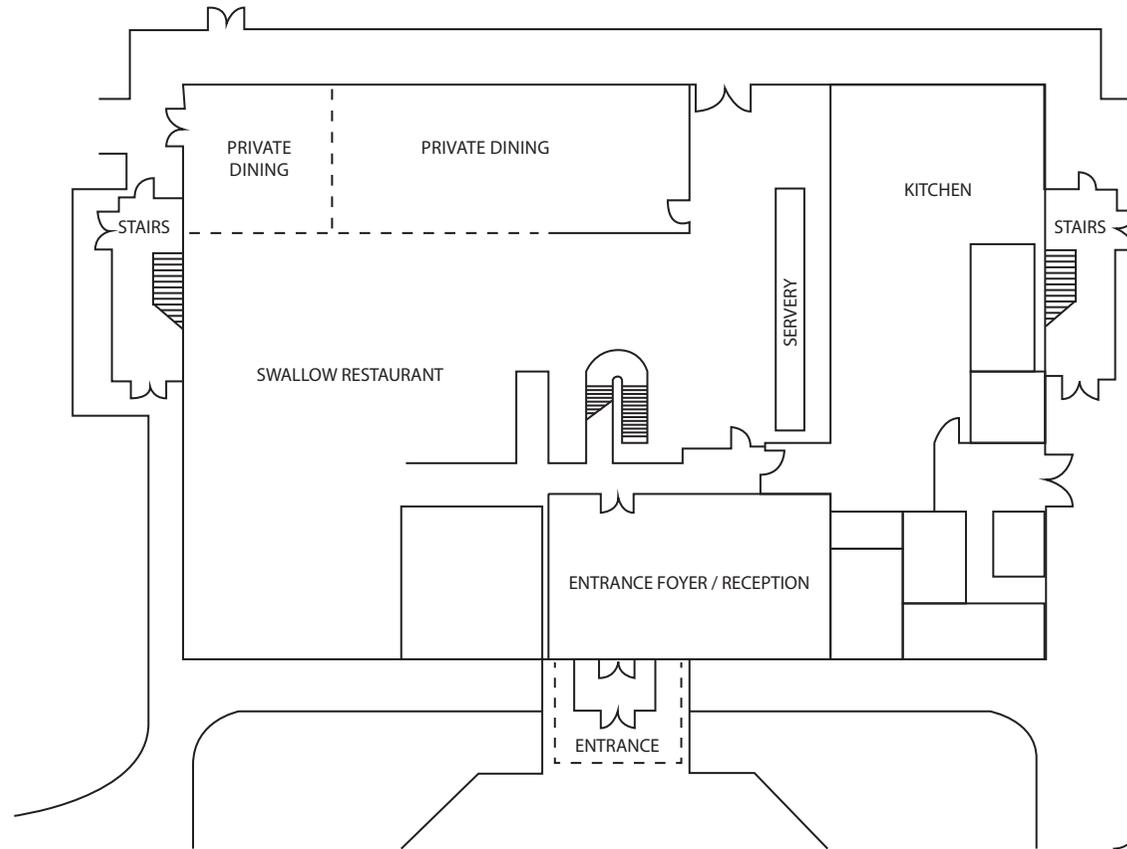
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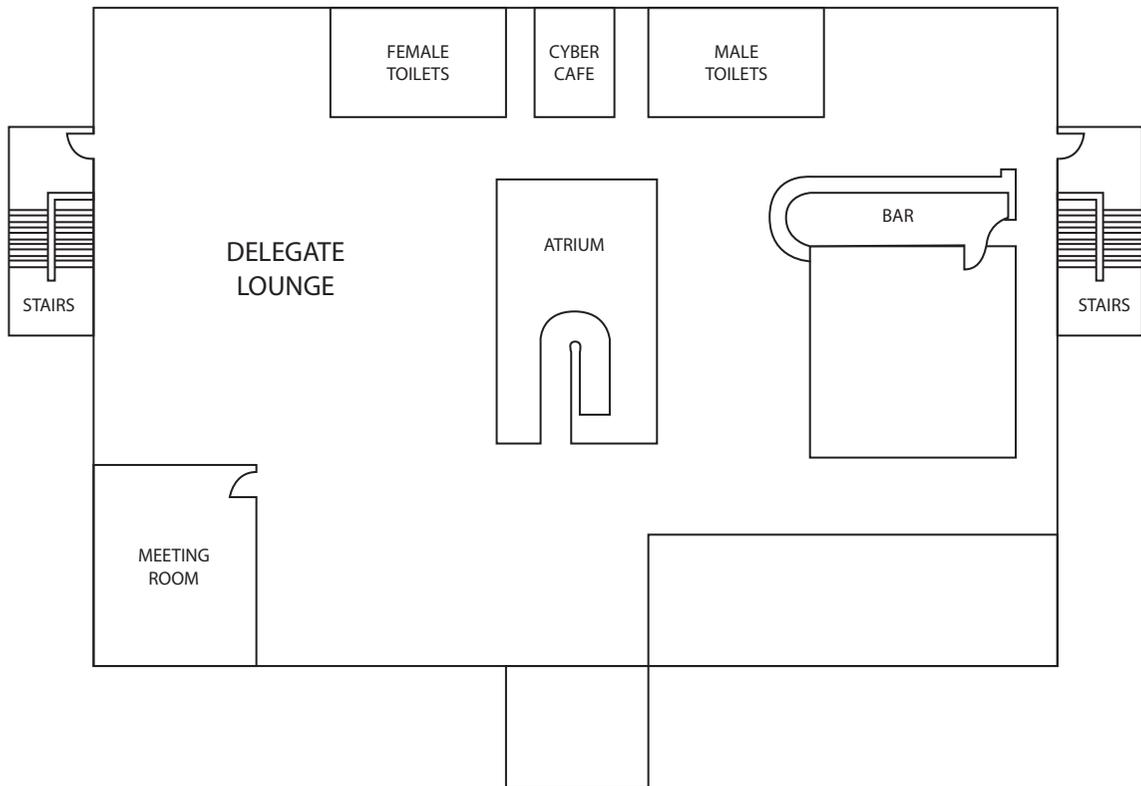


NIGHTINGALE FIRST FLOOR



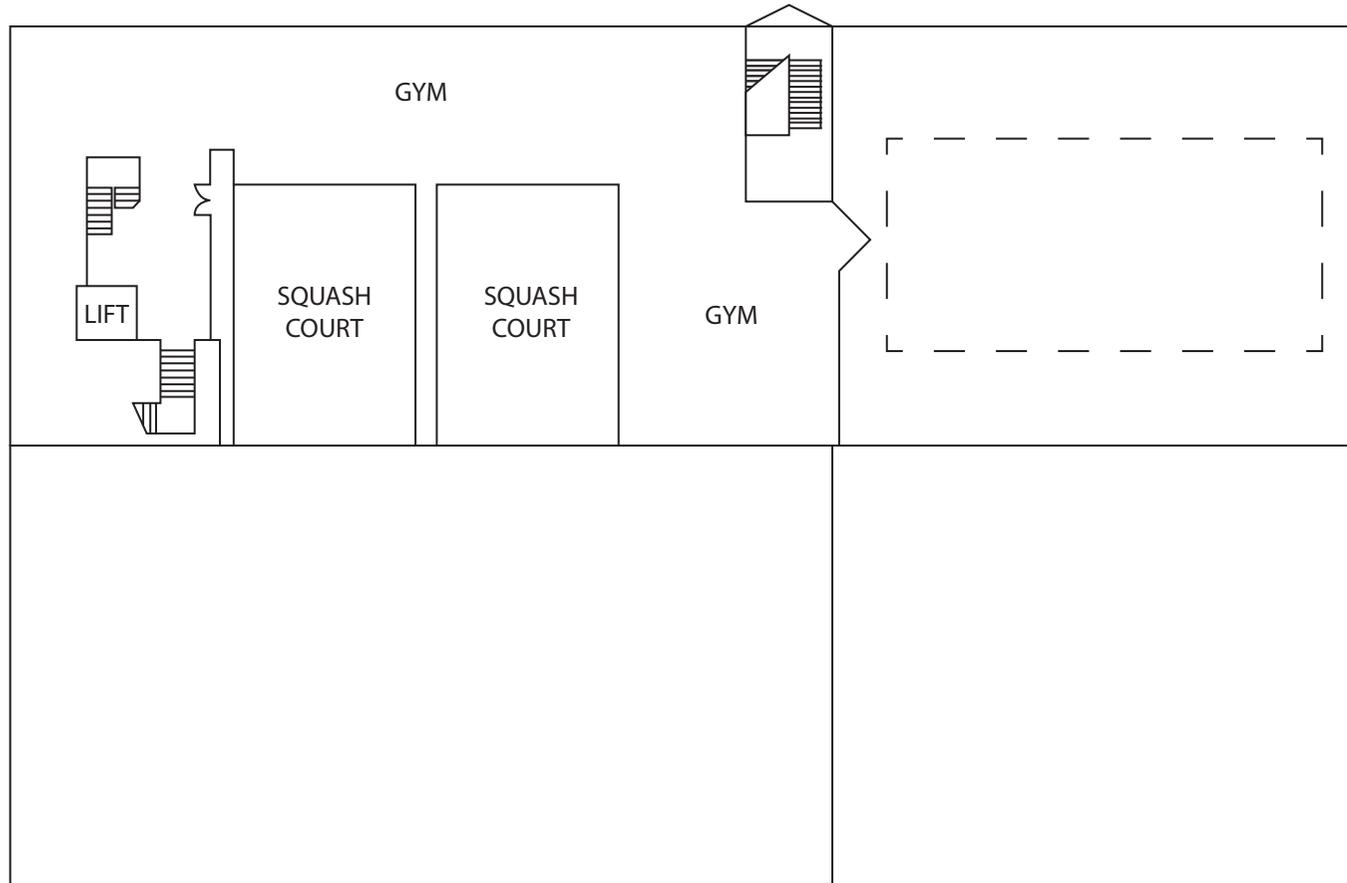
SWALLOW HOUSE GROUND FLOOR



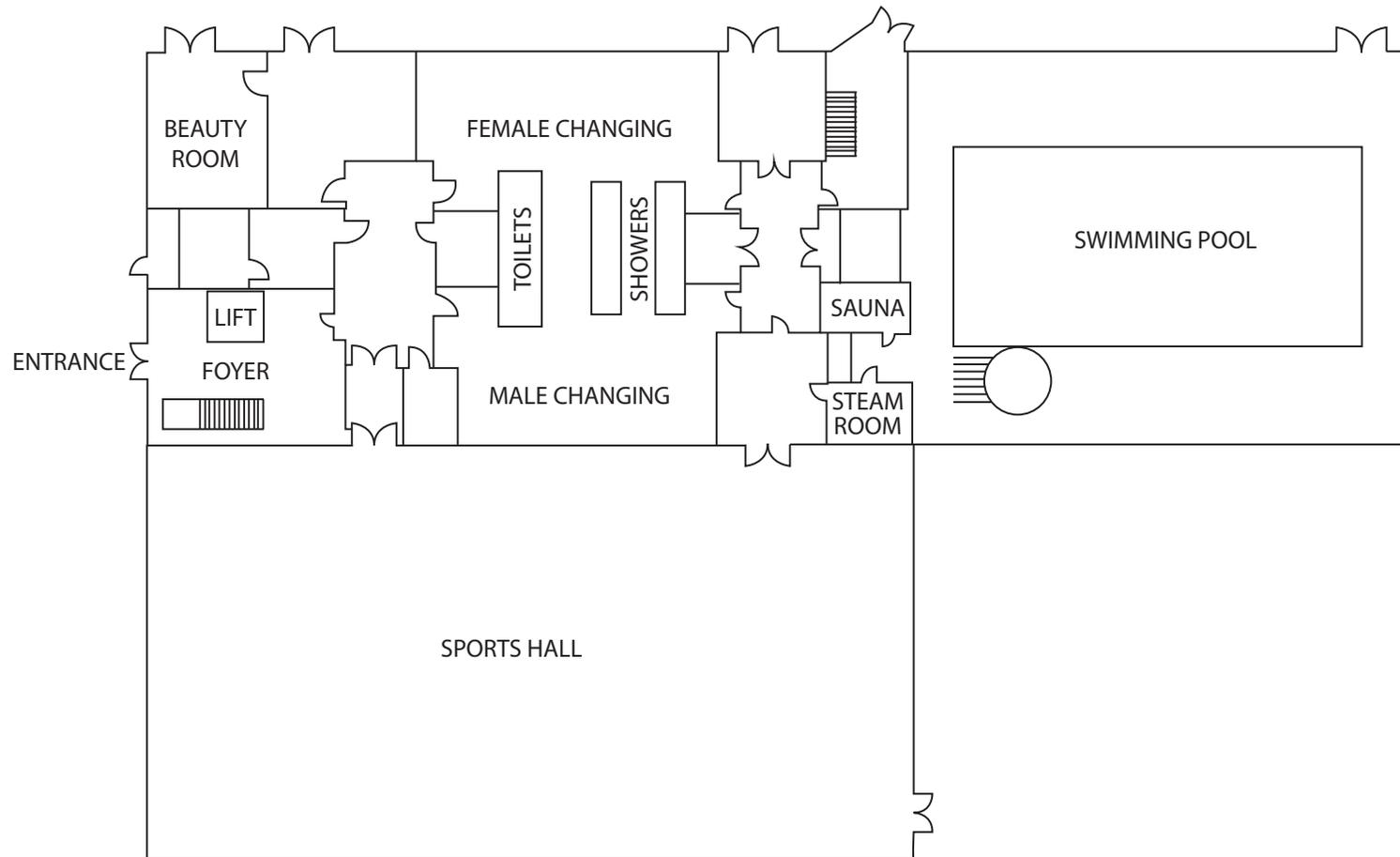


SWALLOW HOUSE FIRST FLOOR

SPORTS FIRST FLOOR



SPORTS GROUND FLOOR



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www.iop.org/conferences

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